



**DECLARATION AND POWER OF ATTORNEY FOR PATENT  
APPLICATION**

Attorney Docket No.: **62601**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated  
below next to my name,

I believe I am the original, first and sole inventor (if only one  
name is listed below) or an original, first and joint inventor  
(if plural names are listed below) of the subject matter which is  
claimed and for which a patent is sought on the invention  
entitled: **SEMICONDUCTOR DEVICE INCLUDING BAND-ENGINEERED  
SUPERLATTICE**, the specification of which:

(check one)

\_\_\_\_\_ is attached hereto

X  was filed on  August 22, 2003

as Application Serial No.  10/647,060

and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents  
of the above-identified specification, including the claims, as  
amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material  
to the examination of this application in accordance with Title  
37, Code of Federal Regulation, 1.56(a).

I hereby claim foreign priority benefits under Title 35, United  
States Code, 119 of any foreign application(s) for patent or  
inventor's certificate listed below and have also identified  
below any foreign application for patent or inventor's  
certificate having a filing date before that of the application  
on which priority is claimed:

Prior Foreign Application(s) Priority Claimed

<u>                    </u>	<u>                    </u>	<u>                    </u>	[    ]	[    ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
<u>                    </u>	<u>                    </u>	<u>                    </u>	[    ]	[    ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
<u>                    </u>	<u>                    </u>	<u>                    </u>	[    ]	[    ]
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under Title 35, United States Code, 120, of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>10/603,621</u>	<u>6/26/03</u>	<u>Pending</u>
(Appln Serial No.)	(Filing Date)	(Status)
<u>10/603,696</u>	<u>6/26/03</u>	<u>Pending</u>
(Appln Serial No.)	(Filing Date)	(Status)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## English Language Declaration

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys/patent agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: **Christopher F. Regan**, Reg. No. 34,906; **Herbert L. Allen**, Reg. No. 25,322; **David L. Sigalow**, Reg. No. 36,006; **Richard K. Warther**, Reg. No. 32,180; **Michael W. Taylor**, Reg. No. 43,182; **Enrique Estevez**, Reg. No. 37,823; **Paul J. Ditmyer**, Reg. No. 40,455; **John F. Woodson, II**, Reg. No. 45,236; **Charles E. Wands**, Reg. No. 25,649; **Jacqueline E. Hartt**, Reg. No. 37,845; **Carl Napolitano**, Reg. No. 37,405; **Jon M. Gibbs**, Reg. No. 47,594; **David L. Stewart**, Reg. No. 37,578; and **Frederick R. Jorgenson**, Reg. No. 38,196.

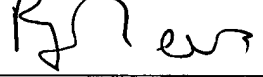
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**ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST, P.A.**  
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(407) 841-2330

Full name of first inventor: **Robert J. MEARS**


Inventor's  
Signature:   
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Citizenship: **Citizen of the United Kingdom**  
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Date: October 29, 2003

STATE OF MASS

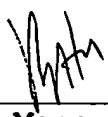
Country of Middlesex: Subscribed and Sworn to before me

This 29<sup>th</sup> day of OCTOBER 2003

  
Notary Public  
EXPI: 2-3-2006

Full name of second inventor: **Jean Augustin Chan Sow Fook YIPTONG**

Inventor's

Signature: 

Date: 10/29/03

Residence: **Waltham, Massachusetts**

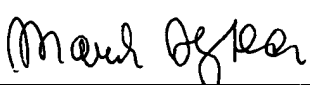
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Full name of third inventor: **Marek HYTHA**

NS/N

Inventor's

Signature: 

Date: 10/29/2003

Residence: **Brookline, Massachusetts**


Citizenship: **Citizen of Czech Republic**

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Full name of fourth inventor: **Scott A. KREPS**

NS/N

Inventor's

Signature: 

Date: 10/29/03

Residence: **Southborough, Massachusetts**

Citizenship: **Citizen of U.S.**

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Full name of fifth inventor: **Ilija DUKOVSKI**

Inventor's

Signature: 

Date: 10/29/03

Residence: **Newton, Massachusetts**

Citizenship: **Citizen of Former Yugoslav Republic of Macedonia**

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NS/N